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American Chemical Society

PUBLIC, PROFESSIONAL, AND INTERNATIONAL  
COMMUNICATION DIVISION

1155 SIXTEENTH STREET, N.W.  
WASHINGTON, D.C. 20036  
Phone (202) 872-4600

STATINTL

Richard L. Kenyon, Director

July 15, 1975

FOR TRANSMITTAL

TO ADDRESSEE *and 7/17*

Dr. A. A. Kulakov  
Chief, Foreign Relations Department  
U.S.S.R. Academy of Sciences  
14 Leninskiy Prospect  
Moscow V-71, U.S.S.R.

Re: US-USSR Program of Cooperation in Research in Chemical Catalysis  
Visit to the U.S.S.R. by U.S. Research Fellow, Dr. Stanislaw B. ZIEMECKI

Dear Dr. Kulakov:

Enclosed is the data sheet for U.S. research fellow, Dr. Stanislaw B. Ziemecki of the Department of Chemical Engineering, Worcester Polytechnic Institute, on leave from the E. I. Du Pont & Co. Experimental Station, Wilmington, Delaware. Dr. Ziemecki plans to arrive in Moscow on November 3, 1975, for a period of six months to conduct research at the Institute of Chemical Physics with Professor M. M. Sakharov. His proposed field of research is "Spectroscopic studies of the nature of the activated complex in formose process. Kinetics, mechanism, and the nature of catalysts."

During his research at the Institute of Chemical Physics, Dr. Ziemecki would like to visit the institutions and individuals as specified on his data sheet. He would also like to request that his wife, Mrs. Julia Ziemecki, and their children, Jan, age 10, and Jakub, age 9, be allowed to join him in Moscow sometime in January, 1976, and remain with him until the end of his stay, May 31, 1976.

If Dr. Ziemecki's indicated program is acceptable to you, we would appreciate receiving confirmation of his proposed area of research, the proposed program of visits, and the date of his arrival, as well as his request that his wife and their children be allowed to join him for the period as requested above.

Sincerely yours,

*RM*  
Richard L. Kenyon  
Program Administrator

Encl.

cc: Dr. N. I. Belyaev

Academ. G. K. Boreskov

Prof. M. M. Sakharov

Prof. J. D. Baldeschwieler

Dr. E. E. Loebner

bcc: Mr. W. Root ✓

Dr. J. R. Thomas

Dr. O. Williams

Prof. J. Halpern

CHEM CATAL

CHEMICAL CATALYSIS

US-USSR Program of Cooperation, 1972-1977

DATA SHEET

of Exchange Visitors

1. Name: Stanislaw B. ZIEMECKI
2. Date and place of birth: January 12, 1937; Warsaw, Poland
3. Education and scientific degree: Ph.D. in chemistry, University of Notre Dame, South Bend, Indiana
4. Professional employment and position: E. I. Du Pont & Co. Experimental Station, Wilmington, Delaware; Research Chemist
5. Scientific specialization: Physical Chemistry: Catalysis, solid-gas interface phenomena
6. Knowledge of foreign languages: French (fluent); Polish (fluent); Russian (working knowledge)
7. Publications (titles of major works and year of publication):

See attached sheet

8. Proposed field of research work and cooperation:

Spectroscopic studies of the nature of the activated complex in formose process. Kinetics, mechanism, and nature of catalysts

9. Tentative program of visits (proposed placements for research work, institutions to be visited and duration of each visit; names of scientists to be visited in each institution and problems that might be discussed with them):

Institute of Chemical Physics, Moscow - Dr. M. M. Sakharov - major research in the field indicated

Institute of Physical Chemistry, Kiev, Prof. Ya. B. Gorokhovatskiy - 1 week

Institute of Organic Chemistry, Moscow, Profs. Kh. M. Minachev; Rubinstein; and V. B. Kazanskiy - 1 week

Institute of Catalysis, Novosibirsk, Academ. G. K. Borekov and Prof. Yu. I. Yermakov

10. Titles of lectures:

None planned

11. Proposed date of arrival and duration of visit:

November 3, 1975, 6 Months

Publications:

A. -M. Koulkes-Pujo et S. Ziemecki "Effet chimique des rayons  $\gamma$  de  $^{60}\text{Co}$  sur les solutions aqueuses de chlorure d'or"  
J. Chim. Phys. 1962, 843;

A. Seleski and S. Ziemecki "Effect of Radiation on Surface Properties of Silicagel" - Proc. 2nd Symposium on Application of Isotopes, Spala 1963;

R. R. Heinz and S. B. Ziemecki "Chemiluminescence and Thermoluminescence from a  $\gamma$ -irradiated Silica-Alumina Gel". J. Phys. Chem. 74, 3552 (1970);

S. B. Ziemecki "Reactions of Ethylene on the Surface of Titania-Alumina" Paper 46, presented at the 2nd North American Meeting of the Catalysis Society, Houston, Texas, 1971;

S. B. Ziemecki "Oxygen Mobility in Oxidation Catalysts" Paper 39, presented at the 3rd North American Meeting of the Catalysis Society, San Francisco, 1974.